

10594839

=> d his

(FILE 'HOME' ENTERED AT 15:48:18 ON 20 AUG 2008)

FILE 'CAPLUS' ENTERED AT 15:48:41 ON 20 AUG 2008

E KAMACHI M/AU

L1 64 S E3 OR E14

L2 4 S L1 AND POLYSACCHARIDE

FILE 'STNGUIDE' ENTERED AT 15:52:31 ON 20 AUG 2008

FILE 'CAPLUS' ENTERED AT 15:55:08 ON 20 AUG 2008

E KAMACHI H/AU

L3 50 S E3 OR E5

L4 2 S L3 AND POLYSACCHARIDE

E SATOH T/AU

L5 448 S E3

E SATOH TOSHIFUMI/AU

L6 197 S E3

L7 645 S L5 OR L6

L8 42 S L7 AND POLYSACCHARIDE

L9 32 S L8 AND ANHYDRO

L10 29 S L9 AND PY<=2005

L11 3 S L10 AND COSMETIC

E KAKUCHI T/AU

L12 717265 S E3 OR 35

L13 374 S E3 OR E5

L14 50 S L13 AND POLYSACCHARIDE

L15 46 S L14 AND PY<=2005

L16 3 S L15 AND COSMETIC

L17 3 S L15 AND SKIN

L18 105664 S POLYSACCHARIDE

L19 2295 S L18 AND POLYMERIZATION

L20 175 S L19 AND ANHYDRO

L21 2 S L20 AND (COSMETIC OR SKIN)

=> d stat que

L18 105664 SEA FILE=CAPLUS ABB=ON PLU=ON POLYSACCHARIDE

L19 2295 SEA FILE=CAPLUS ABB=ON PLU=ON L18 AND POLYMERIZATION

L20 175 SEA FILE=CAPLUS ABB=ON PLU=ON L19 AND ANHYDRO

L21 2 SEA FILE=CAPLUS ABB=ON PLU=ON L20 AND (COSMETIC OR SKIN)

=> log y

10594839

=> d bib abs 1-4

L2 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2005:1103816 CAPLUS <<LOGINID::20080820>>  
DN 143:388810  
TI Polysaccharide-based moisture retention polymer compound  
IN Kamachi, Motoaki; Kakuchi, Toyoji; Satoh, Toshifumi  
PA Showa Denko K.K., Japan  
SO PCT Int. Appl., 41 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	WO 2005095462	A1	20051013	WO 2005-JP6406	20050325
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	JP 2005314402	A	20051110	JP 2005-100361	20050331
	US 20070202070	A1	20070830	US 2006-594925	20060929
PRAI	JP 2004-105931	A	20040331		
	US 2004-560605P	P	20040409		
	WO 2005-JP6406	W	20050325		
AB	The present invention relates to (1) a moisture retention polymer compound comprising a structural unit including a multi-branched polysaccharide derivative in which the hydroxyl group (OH) may be substituted by OR wherein R represents a hydrogen atom, a hydrocarbon having 1 to 30 carbon atoms, or a hydrocarbon having 1 to 30 carbon atoms and a hetero atom, and a structural unit without a multi-branched polysaccharide derivative, (2) an external preparation for skin comprising 0.1 to 99.9 % by mass of the polymer compound, which can provide moist feeling to the skin and exhibit an appropriate viscosity and solubility, and (3) a cosmetic product comprising the external preparation for skin.				
RE.CNT	4	THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L2 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2005:1103542 CAPLUS <<LOGINID::20080820>>  
DN 143:372872  
TI Cosmetic preparation for skin moisturizing with multi-branched polysaccharides  
IN Kamachi, Motoaki; Kamachi, Harumi; Kakuchi, Toyoji; Satoh, Toshifumi  
PA Showa Denko K.K., Japan  
SO PCT Int. Appl., 44 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005094777	A1	20051013	WO 2005-JP6411	20050325
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	JP 2005314400	A	20051110	JP 2005-100341	20050331
PRAI	JP 2004-105929	A	20040331		
	US 2004-560607P	P	20040409		
AB	The present invention provides an external preparation for skin, comprising a multi-branched polysaccharide derivative with multi-branched polysaccharide skeleton consisting of saccharides as constituent units, wherein at least one of hydroxyl (OH) groups in the multi-branched polysaccharide skeleton is substituted by OR (R = H, C1-30 alkyl, C1-30 hetero alkyl), which can give moisture and turgor to the skin, and cosmetics containing the external preparation For example, polymerization of 1,6-anhydro-3-D-glucopyranose (13 g) and propylene carbonate (12.5 mL) in presence of 2-butynyl-tetramethylene sulfonium hexafluoro antimonate (65.8 µl) yielded multi-branched polysaccharide A (5.3 g; 41%). A skin lotion was prepared containing multi-branched polysaccharide A 0.5%, 1,3-butylene glycol 9.5%, ethanol 39.6%, castor oil 4.9%, methylparaben 0.2%, and water to 45.3%. Application of the lotion to the skin of volunteers resulted in enhancement in skin conductivity, indicating that the moisture in the keratin layer was increased to replenish the skin moisture.				
RE.CNT	10	THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L2 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2005:1077880 CAPLUS <<LOGINID::20080820>>  
DN 143:372846  
TI Composition containing multi-branched polysaccharide/functional compound complex  
IN Kamachi, Motoaki; Kamachi, Harumi; Kakuchi, Toyoji; Satoh, Toshifumi  
PA Showa Denko K.K., Japan  
SO U.S. Pat. Appl. Publ., 13 pp.  
CODEN: USXXCO  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 20050220744	A1	20051006	US 2005-88794	20050325
	JP 2005314401	A	20051110	JP 2005-100352	20050331
PRAI	JP 2004-105930	A	20040331		
	US 2004-560606P	P	20040409		
AB	The present invention provides a polysaccharide/functional compound complex comprising a functional compound and a multi-branched polysaccharide derivative, wherein the multi-branched				

polysaccharide derivative has a skeleton of a multi-branched polysaccharide composed of a saccharide as a structural unit, and at least one of the hydroxyl groups (OH) of the multi-branched polysaccharide is substituted by OR, wherein R represents a hydrogen atom, a hydrocarbon having 1 to 30 carbon atoms, or a hydrocarbon having 1 to 30 carbon atoms and hetero atom. The functional compound can be efficiently incorporated into polysaccharide derivative, and further by exposing the polysaccharide complex to an environment such as a solution, sustained release of the functional compound can be controlled. By utilizing this property, the complex can be efficiently used in external preps. for skin such as cosmetic products. For example, polymerization of 1,6-anhydro- $\beta$ -D-glucopyranose (13 g) and dried propylene carbonate (2.5 mL) in presence of 2-butyryl-tetramethylene sulfonium hexafluoro antimonate (65.8  $\mu$ l) yielded multi-branched polysaccharide (5.3 g; 41%). The multi-branched polysaccharide (500 mg), magnesium ascorbic acid 2-phosphate (APM) (500 mg) and water (5 mL) were put into a beaker and dissolved by well stirring. The solution was freeze-dried to obtain multi-branched polysaccharide-APM complex (1.0 g). Skin lotion was prepared containing multi-branched polysaccharide-APM complex 20%, 1,3-butylene glycol 5%, Et alc. 5%, citric acid 0.01%, sodium citrate 1%, Me paraben 0.20% and purified water 68.79%.

L2 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2005:1075594 CAPLUS <<LOGINID::20080820>>  
 DN 143:352858  
 TI A skin care and cosmetic preparation containing an inositol derivative  
 IN Aoki, Hirobumi; Kamachi, Motoaki  
 PA Showa Denko K. K., Japan  
 SO PCT Int. Appl., 52 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005092285	A1	20051006	WO 2005-JP5652	20050322
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1744725	A1	20070124	EP 2005-721579	20050322
	R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, LV, MK, YU				
	CN 1933804	A	20070321	CN 2005-80009201	20050322
	JP 2005306867	A	20051104	JP 2005-89259	20050325
	US 20070219158	A1	20070920	US 2006-594037	20060925
	KR 2007023684	A	20070228	KR 2006-722074	20061024
	KR 814196	B1	20080317		
PRAI	JP 2004-89591	A	20040325		
	US 2004-558551P	P	20040402		

10594839

WO 2005-JP5652                      W                      20050322

AB    The present invention discloses a preparation to be applied externally to the skin which contains an inositol derivative in which an inositol and a saccharide are combined. The invention aims to provide an external skin preparation that can be spread over skin without causing a granular feeling and has excellent moisturizing effects and of keeping the skin healthy. For example, myo-inositol 1 g was reacted with  $\beta$ -cyclodextrin 1 g in the presence of cyclodextrin glucanotransferase to get glycosyl inositol 1.2 g. A lotion was prepared containing glucosyl inositol 1%, 1,3-butylene glycol 5%, Et alc. 5%, citric acid 0.01%, sodium citrate 1%, Me paraben 0.20% and water 87.79%.

RE.CNT 6            THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10594839

L21 2 ANSWERS CAPLUS COPYRIGHT 2008 ACS on STN  
IC ICM A61K007-06  
INCL 424070100  
CC 62-4 (Essential Oils and Cosmetics)  
Section cross-reference(s): 33  
TI Composition containing multi-branched polysaccharide/functional compound complex  
ST polysaccharide complex prepn cosmetic  
IT Polysaccharides, biological studies  
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(branched, multi-. complexes; cosmetic composition containing multi-branched polysaccharide/functional compound complex)  
IT Pigments, nonbiological  
(complexes with multi-branched polysaccharide derivs.; cosmetic composition containing multi-branched polysaccharide/functional compound complex)  
IT Cosmetics  
(emulsions; cosmetic composition containing multi-branched polysaccharide/functional compound complex)  
IT Cosmetics  
(lotions; cosmetic composition containing multi-branched polysaccharide/functional compound complex)  
IT Polysaccharides, preparation  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(multi-branched, complexes with functional groups; cosmetic composition containing multi-branched polysaccharide/functional compound complex)  
IT 223560-77-8  
RL: CAT (Catalyst use); USES (Uses)  
(cosmetic composition containing multi-branched polysaccharide/functional compound complex)  
IT 50-81-7D, Ascorbic acid, derivs. 76-61-9D, Thymol blue, complexes with multi-branched polysaccharide derivs. 476-66-4D, Alizarin yellow, complexes with multi-branched polysaccharide derivs. 547-58-0D, Methyl orange, complexes with multi-branched polysaccharide derivs. 11121-48-5D, Rose Bengal, complexes with multi-branched polysaccharide derivs. 84309-23-9D, complexes with multi-branched polysaccharide derivs.  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(cosmetic composition containing multi-branched polysaccharide/functional compound complex)  
IT 108-32-7, Propylene carbonate 498-07-7, 1,6-Anhydro- $\beta$ -D-glucopyranose 64505-10-8  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(cosmetic composition containing multi-branched polysaccharide/functional compound complex)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L21 2 ANSWERS CAPLUS COPYRIGHT 2008 ACS on STN  
IC ICM A61K007-48  
CC 62-4 (Essential Oils and Cosmetics)  
Section cross-reference(s): 33  
TI Cosmetic preparation for skin moisturizing with multi-branched polysaccharides  
ST branched polysaccharide prepn cosmetic moisturizer  
IT Polymerization

- (anionic; cosmetic moisturizers containing multi-branched polysaccharides)
- IT Polysaccharides, biological studies  
 RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (branched; cosmetic moisturizers containing multi-branched polysaccharides)
- IT Polymerization  
 (cationic; cosmetic moisturizers containing multi-branched polysaccharides)
- IT Human  
 (cosmetic moisturizers containing multi-branched polysaccharides)
- IT Cosmetics  
 (moisturizers, lotions; cosmetic moisturizers containing multi-branched polysaccharides)
- IT Cosmetics  
 (moisturizers; cosmetic moisturizers containing multi-branched polysaccharides)
- IT 108-32-7DP, Propylene carbonate, reaction products with 1,6-anhydro- $\beta$ -D-glucopyranose and leucine Et ester isocyanate  
 498-07-7DP, reaction products with propylene carbonate and leucine Et ester isocyanate 90609-13-5DP, reaction products with 1,6-anhydro- $\beta$ -D-glucopyranose and propylene carbonate  
 RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (cosmetic moisturizers containing multi-branched polysaccharides)
- IT 108-32-7, Propylene carbonate 498-07-7, 1,6-Anhydro- $\beta$ -D-glucopyranose 90609-13-5  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (cosmetic moisturizers containing multi-branched polysaccharides)

ALL ANSWERS HAVE BEEN SCANNED